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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/729,264

DATE: 12/19/2000
TIME: 07:27:30

Input Set : A:\A-692.ST25.txt
Output Set: N:\CRF3\12192000\I729264.raw

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 3 <110> APPLICANT: WELCHER, ANDREW
 4          SARMIENTO, ULLA
 5          SCHULTZ, HENRY
 6          CHUTE, HILARY
 8 <120> TITLE OF INVENTION: B7-LIKE MOLECULES AND USES THEREOF
10 <130> FILE REFERENCE: A-692
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/729,264
13 <141> CURRENT FILING DATE: 2000-11-28
15 <150> PRIOR APPLICATION NUMBER: US 60/214,512
16 <151> PRIOR FILING DATE: 2000-06-28
18 <160> NUMBER OF SEQ ID NOS: 15
20 <170> SOFTWARE: PatentIn version 3.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1175
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (27)..(1172)
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33                             Met Gly Leu Val Ile Phe Leu His Gly
34                              1               5
36 tct ggg tct ggt aat gaa gtc ata gaa ggc ccc cag aat gca aca gtc    101
37 Ser Gly Ser Gly Asn Glu Val Ile Glu Gly Pro Gln Asn Ala Thr Val
38 10              15                  20                  25
40 ctg aag ggc tcc cag gct cgc ttc aac tgc acc gtc tcc cag ggc tgg    149
41 Leu Lys Gly Ser Gln Ala Arg Phe Asn Cys Thr Val Ser Gln Gly Trp
42              30                  35                  40
44 aag ctc atc atg tgg gct ctc agt gac atg gtg gtg cta agc gtc agg    197
45 Lys Leu Ile Met Trp Ala Leu Ser Asp Met Val Val Leu Ser Val Arg
46              45                  50                  55
48 ccc atg gag ccc atc atc acc aat gac cgc ttc acc tct cag agg tac    245
49 Pro Met Glu Pro Ile Ile Thr Asn Asp Arg Phe Thr Ser Gln Arg Tyr
50              60                  65                  70
52 gac cag ggc ggg aac ttc acc tcg gag atg atc atc cac aat gtg gag    293
53 Asp Gln Gly Gly Asn Phe Thr Ser Glu Met Ile Ile His Asn Val Glu
54      75                  80                  85
56 ccc agt gat tcg ggg aac atc aga tgc agc ctc cag aac agt cgc ctg    341
57 Pro Ser Asp Ser Gly Asn Ile Arg Cys Ser Leu Gln Asn Ser Arg Leu
58 90                  95                  100                 105
60 cat gga tct gct tac ctt acc gtc caa gtt atg gga gag ctg ttc att    389
61 His Gly Ser Ala Tyr Leu Thr Val Gln Val Met Gly Glu Leu Phe Ile
62              110                 115                 120
64 ccc agt gtt aat ctt gta gtc gct gag aat gaa cct tgt gaa gtt act    437
65 Pro Ser Val Asn Leu Val Val Ala Glu Asn Glu Pro Cys Glu Val Thr
66              125                 130                 135
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 68 tgt cta ccc tca cac tgg acc cgg ctc ccg gat att tcc tgg gag ctc        485
 69 Cys Leu Pro Ser His Trp Thr Arg Leu Pro Asp Ile Ser Trp Glu Leu
 70         140                 145                 150
 72 ggt ctc ctg gtc agc cat tca agc tat tat ttt gtt ccg gag ccc agc        533
 73 Gly Leu Leu Val Ser His Ser Ser Tyr Tyr Phe Val Pro Glu Pro Ser
 74     155                 160                 165
 76 gac ctt caa agt gca gtg agc atc ctg gct ctg acc cca cag agc aat        581
 77 Asp Leu Gln Ser Ala Val Ser Ile Leu Ala Leu Thr Pro Gln Ser Asn
 78 170                 175                 180                 185
 80 ggg act ttg act tgc gtg gct acc tgg aag agc ctg aag gcc cgc aag        629
 81 Gly Thr Leu Thr Cys Val Ala Thr Trp Lys Ser Leu Lys Ala Arg Lys
 82             190                 195                 200
 84 tct gca act gta aat ctc act gtg att cgg tgt ccc caa gac act gga        677
 85 Ser Ala Thr Val Asn Leu Thr Val Ile Arg Cys Pro Gln Asp Thr Gly
 86             205                 210                 215
 88 ggt ggt att aat att cca ggt gta tta tca agt tta ccg agt tta ggt        725
 89 Gly Gly Ile Asn Ile Pro Gly Val Leu Ser Ser Leu Pro Ser Leu Gly
 90         220                 225                 230
 92 ttt tca ttg cct act tgg ggc aaa gtt gga ctt gga cta gca ggc acc        773
 93 Phe Ser Leu Pro Thr Trp Gly Lys Val Gly Leu Gly Leu Ala Gly Thr
 94         235                 240                 245
 96 atg ctt ctg acg ccg acg tgt act ctt aca ata cgc tgc tgc tgc tgc        821
 97 Met Leu Leu Thr Pro Thr Cys Thr Leu Thr Ile Arg Cys Cys Cys Cys
 98 250                 255                 260                 265
100 cgc cgt cgt tgt tgt ggc tgc aac tgc tgc tgc cgt tgt tgt ttc tgc        869
101 Arg Arg Arg Cys Cys Gly Cys Asn Cys Cys Cys Arg Cys Cys Phe Cys
102             270                 275                 280
104 tgt aga aga aaa aga gga ttt cgt att caa ttt caa aag aaa tct gaa        917
105 Cys Arg Arg Lys Arg Gly Phe Arg Ile Gln Phe Gln Lys Lys Ser Glu
106             285                 290                 295
108 aaa gag aag aca aac aaa gaa act gag aca gaa agt gga aat gaa aac        965
109 Lys Glu Lys Thr Asn Lys Glu Thr Glu Thr Glu Ser Gly Asn Glu Asn
110         300                 305                 310
112 tcc ggc tac aat tca gat gaa caa aag acc aca gac acc gct tct ctc       1013
113 Ser Gly Tyr Asn Ser Asp Glu Gln Lys Thr Thr Asp Thr Ala Ser Leu
114     315                 320                 325
116 cct ccc aaa tcc tgt gaa tcc agt gat cct gaa caa aga aac agt agc       1061
117 Pro Pro Lys Ser Cys Glu Ser Ser Asp Pro Glu Gln Arg Asn Ser Ser
118 330                 335                 340                 345
120 tgt ggc cct cct cac cag cgg gct gat caa cgt cca ccc agg cca gca       1109
121 Cys Gly Pro Pro His Gln Arg Ala Asp Gln Arg Pro Pro Arg Pro Ala
122             350                 355                 360
124 agt cat cca cag gct tct ttt aat ctg gcc agt cct gag aag gtc agt       1157
125 Ser His Pro Gln Ala Ser Phe Asn Leu Ala Ser Pro Glu Lys Val Ser
126             365                 370                 375
128 aat aca act gta gta tag                                               1175
129 Asn Thr Thr Val Val
130         380
133 <210> SEQ ID NO: 2
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/729,264

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Input Set : A:\A-692.ST25.txt
Output Set: N:\CRF3\12192000\I729264.raw

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134 <211> LENGTH: 382
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 2
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141 1               5                  10                 15
144 Ile Glu Gly Pro Gln Asn Ala Thr Val Leu Lys Gly Ser Gln Ala Arg
145              20                 25                 30
148 Phe Asn Cys Thr Val Ser Gln Gly Trp Lys Leu Ile Met Trp Ala Leu
149          35                 40                 45
152 Ser Asp Met Val Val Leu Ser Val Arg Pro Met Glu Pro Ile Ile Thr
153      50                 55                 60
156 Asn Asp Arg Phe Thr Ser Gln Arg Tyr Asp Gln Gly Gly Asn Phe Thr
157 65                 70                 75              '       80
160 Ser Glu Met Ile Ile His Asn Val Glu Pro Ser Asp Ser Gly Asn Ile
161              85                 90                 95
164 Arg Cys Ser Leu Gln Asn Ser Arg Leu His Gly Ser Ala Tyr Leu Thr
165          100                105                110
168 Val Gln Val Met Gly Glu Leu Phe Ile Pro Ser Val Asn Leu Val Val
169          115                120                125
172 Ala Glu Asn Glu Pro Cys Glu Val Thr Cys Leu Pro Ser His Trp Thr
173     130                135                140
176 Arg Leu Pro Asp Ile Ser Trp Glu Leu Gly Leu Leu Val Ser His Ser
177 145                150                155                160
180 Ser Tyr Tyr Phe Val Pro Glu Pro Ser Asp Leu Gln Ser Ala Val Ser
181              165                170                175
184 Ile Leu Ala Leu Thr Pro Gln Ser Asn Gly Thr Leu Thr Cys Val Ala
185          180                185                190
188 Thr Trp Lys Ser Leu Lys Ala Arg Lys Ser Ala Thr Val Asn Leu Thr
189          195                200                205
192 Val Ile Arg Cys Pro Gln Asp Thr Gly Gly Gly Ile Asn Ile Pro Gly
193     210                215                220
196 Val Leu Ser Ser Leu Pro Ser Leu Gly Phe Ser Leu Pro Thr Trp Gly
197 225                230                235                240
200 Lys Val Gly Leu Gly Leu Ala Gly Thr Met Leu Leu Thr Pro Thr Cys
201              245                250                255
204 Thr Leu Thr Ile Arg Cys Cys Cys Arg Arg Arg Cys Cys Gly Cys
205          260                265                270
208 Asn Cys Cys Cys Arg Cys Cys Phe Cys Cys Arg Arg Lys Arg Gly Phe
209          275                280                285       ·
212 Arg Ile Gln Phe Gln Lys Lys Ser Glu Lys Glu Lys Thr Asn Lys Glu
213     290                295                300
216 Thr Glu Thr Glu Ser Gly Asn Glu Asn Ser Gly Tyr Asn Ser Asp Glu
217 305                310                315                320
220 Gln Lys Thr Thr Asp Thr Ala Ser Leu Pro Pro Lys Ser Cys Glu Ser
221              325                330                335
224 Ser Asp Pro Glu Gln Arg Asn Ser Ser Cys Gly Pro Pro His Gln Arg
225          340                345                350
228 Ala Asp Gln Arg Pro Pro Arg Pro Ala Ser His Pro Gln Ala Ser Phe
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PATENT APPLICATION: US/09/729,264   TIME: 07:27:30

Input Set : A:\A-692.ST25.txt
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229          355              360              365
232 Asn Leu Ala Ser Pro Glu Lys Val Ser Asn Thr Thr Val Val
233      370              375              380
236 <210> SEQ ID NO: 3
237 <211> LENGTH: 1168
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
241 <220> FEATURE:
242 <221> NAME/KEY: CDS
243 <222> LOCATION: (8)..(1165)
245 <400> SEQUENCE: 3
246 agtgatc atg gtg gca gga gcc atg gaa aat aga gac cca ccc ggt tct      49
247         Met Val Ala Gly Ala Met Glu Asn Arg Asp Pro Pro Gly Ser
248          1               5                  10
250 ggg tct ggt aat gaa gtc ata gaa ggc ccc caa aat gca aga gtc ctg      97
251 Gly Ser Gly Asn Glu Val Ile Glu Gly Pro Gln Asn Ala Arg Val Leu
252 15               20                  25                  30
254 aag ggc tcc cag gct cgc ttc aac tgc acc gtc tcc cag ggc tgg aag     145
255 Lys Gly Ser Gln Ala Arg Phe Asn Cys Thr Val Ser Gln Gly Trp Lys
256              35                  40                  45
258 ctc atc atg tgg gct ctc agt gac atg gtg gtg cta agc gtc agg ccc     193
259 Leu Ile Met Trp Ala Leu Ser Asp Met Val Val Leu Ser Val Arg Pro
260          50                  55                  60
262 atg gag ccc atc atc acc aat gac cgc ttc acc tct cag agg tac gac     241
263 Met Glu Pro Ile Ile Thr Asn Asp Arg Phe Thr Ser Gln Arg Tyr Asp
264      65                  70                  75
266 cag ggc ggg aac ttc acc tcg gag atg atc atc cac aat gtg gag ccc     289
267 Gln Gly Gly Asn Phe Thr Ser Glu Met Ile Ile His Asn Val Glu Pro
268      80                  85                  90
270 agt gat tcg ggg aac atc aga tgc agc ctc cag aac agt cgc ctg cat     337
271 Ser Asp Ser Gly Asn Ile Arg Cys Ser Leu Gln Asn Ser Arg Leu His
272 95               100                 105                 110
274 gga tct gct tac ctt acc gtc caa gtt atg gga gag ctg ttc att ccc     385
275 Gly Ser Ala Tyr Leu Thr Val Gln Val Met Gly Glu Leu Phe Ile Pro
276              115                 120                 125
278 agt gtt aat ctt gta gtc gct gag aat gaa cct tgt gaa gtt act tgt     433
279 Ser Val Asn Leu Val Val Ala Glu Asn Glu Pro Cys Glu Val Thr Cys
280              130                 135                 140
282 cta ccc tca cac tgg acc tgg ctc ccg gat att tcc tgg gag ctc ggt     481
283 Leu Pro Ser His Trp Thr Trp Leu Pro Asp Ile Ser Trp Glu Leu Gly
284          145                 150                 155
286 ctc ctg gtc agc cat tca agc tat tat ttt gtt ccg gag ccc agc gac     529
287 Leu Leu Val Ser His Ser Ser Tyr Tyr Phe Val Pro Glu Pro Ser Asp
288      160                 165                 170
290 ctt caa agt gca gtg agc atc ctg gct ctg acc cca cag agc aat ggg     577
291 Leu Gln Ser Ala Val Ser Ile Leu Ala Leu Thr Pro Gln Ser Asn Gly
292 175              180                 185                 190
294 act ttg act tgc gtg gct acc tgg aag agc ctg aag gcc cgc aag tct     625
295 Thr Leu Thr Cys Val Ala Thr Trp Lys Ser Leu Lys Ala Arg Lys Ser
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PATENT APPLICATION: US/09/729,264   TIME: 07:27:30

Input Set : A:\A-692.ST25.txt
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296                195              200              205
298 gca act gta aat ctc act gtg att cgg tgt ccc caa gac act gga ggt      673
299 Ala Thr Val Asn Leu Thr Val Ile Arg Cys Pro Gln Asp Thr Gly Gly
300                210              215              220
302 ggt att aat att cca ggt gta tta tca agt tta ccg agt tta ggt ttt      721
303 Gly Ile Asn Ile Pro Gly Val Leu Ser Ser Leu Pro Ser Leu Gly Phe
304                225              230              235
306 tca ttg cct act tgg ggc aaa gtt gga ctt gga cta gca ggc acc atg      769
307 Ser Leu Pro Thr Trp Gly Lys Val Gly Leu Gly Leu Ala Gly Thr Met
308                240              245              250
310 ctt ctg acg ccg acg tgt act ctt aca ata cgc tgc tgc tgc tgc cgc      817
311 Leu Leu Thr Pro Thr Cys Thr Leu Thr Ile Arg Cys Cys Cys Cys Arg
312 255               260              265              270
314 cgt cgt tgt tgt ggc tgc aac tgc tgc tgc cgt tgt tgt ttc tgc tgt      865
315 Arg Arg Cys Cys Gly Cys Asn Cys Cys Cys Arg Cys Cys Phe Cys Cys
316                275              280              285
318 aga aga aaa aga gga ttt cgt att caa ttt caa aag aaa tct gaa aaa      913
319 Arg Arg Lys Arg Gly Phe Arg Ile Gln Phe Gln Lys Lys Ser Glu Lys
320                290              295              300
322 gag aag aca aac aaa gaa act gag aca gaa agt gga aat gaa aac tcc      961
323 Glu Lys Thr Asn Lys Glu Thr Glu Thr Glu Ser Gly Asn Glu Asn Ser
324                305              310              315
326 ggc tac aat tca gat gaa caa aag acc aca gac acc gct tct ctc cct      1009
327 Gly Tyr Asn Ser Asp Glu Gln Lys Thr Thr Asp Thr Ala Ser Leu Pro
328                320              325              330
330 ccc aaa tcc tgt gaa tcc agt gat cct gaa caa aga aac agt agc tgt      1057
331 Pro Lys Ser Cys Glu Ser Ser Asp Pro Glu Gln Arg Asn Ser Ser Cys
332 335               340              345              350
334 ggc cct cct cac cag cgg gct gat caa cgt cca ccc agg cca gca agt      1105
335 Gly Pro Pro His Gln Arg Ala Asp Gln Arg Pro Pro Arg Pro Ala Ser
336                355              360              365
338 cat cca cag gct tct ttt aat ctg gcc agt cct gag aag gtc agt aat      1153
339 His Pro Gln Ala Ser Phe Asn Leu Ala Ser Pro Glu Lys Val Ser Asn
340                370              375              380
342 aca act gta gta tag                                                  1168
343 Thr Thr Val Val
344                385
347 <210> SEQ ID NO: 4
348 <211> LENGTH: 386
349 <212> TYPE: PRT
350 <213> ORGANISM: Homo sapiens
352 <400> SEQUENCE: 4
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355 1               5                10               15
358 Gly Asn Glu Val Ile Glu Gly Pro Gln Asn Ala Arg Val Leu Lys Gly
359                20               25               30
362 Ser Gln Ala Arg Phe Asn Cys Thr Val Ser Gln Gly Trp Lys Leu Ile
363                35               40               45
366 Met Trp Ala Leu Ser Asp Met Val Val Leu Ser Val Arg Pro Met Glu
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VERIFICATION SUMMARY   DATE: 12/19/2000
PATENT APPLICATION: US/09/729,264   TIME: 07:27:31

Input Set : A:\A-692.ST25.txt
Output Set: N:\CRF3\12192000\I729264.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number